```
                              gggcaggaagacggcgctgcccggaggagc    -153
ggggcgggcgggcgcgcggggggagcgggcggcgggcgggagccaggcccgggcgggggcggggggcggcggggccag    -77
aagaggcggcgggccgcgctccggccggtctgcggcgttggccttggcttttggctttggcggcggcggtggagaag      -1


ATG CTG CAG TCC CTG GCC GGC AGC TCG TGC GTG CGC CTG GTG GAG CGG CAC CGC|TCG|    57
 M   L   Q   S   L   A   G   S   S   C   V   R   L   V   E   R   H   R | S |     19


GCC TGG TGC TTC GGC TTC CTG GTG CTG GGC TAC TTG CTC TAC CTG GTC TTC GGC GCA     114
 A   W   C   F   G   F   L   V   L   G   Y   L   L   Y   L   V   F   G   A      38


|GTG GTC TTC TCC TCG GTG|GAG CTG CCC TAT GAG GAC CTG CTG CGC CAG GAG CTG CGC     171
 | V   V   F   S   S   V | E   L   P   Y   E   D   L   L   R   Q   E   L   R      57


AAG CTG AAG CGA CGC TTC TTG GAG GAG CAC GAG TGC CTG TCT GAG CAG CAG CTG GAG     228
 K   L   K   R   R   F   L   E   E   H   E   C   L   S   E   Q   Q   L   E      76


CAG TTC CTG GGC CGG GTG CTG GAG GCC AGC AAC TAC GGC GTG TCG GTG CTC AGC AAC     285
 Q   F   L   G   R   V   L   E   A   S   N   Y   G   V   S   V   L   S   N      95
                                                                         □

GCC TCG GGC AAC TGG AAC TGG GAC TTC ACC TCC GCG CTC TTC TTC GCC AGC ACC GTG     342
 A   S   G   N   W   N   W   D   F   T   S   A   L   F   F   A   S   T   V      114


CTC TCC ACC ACA GGT TAT GGC CAC ACC GTG CCC TTG TCA GAT|GGA GGT AAG GCC TTC     399
 L   S   T   T   G   Y   G   H   T   V   P   L   S   D | G   G   K   A   F      133


TGC ATC ATC TAC TCC GTC ATT GGC ATT CCC TTC ACC CTC CTG TTC CTG ACG GCT GTG     456
 C   I   I   Y   S   V   I   G   I   P   F   T   L   L   F   L   T   A   V      152


|GTC|CAG CGC ATC ACC GTG CAC GTC ACC CGC AGG CCG GTC CTC TAC TTC CAC ATC CGC     513
 | V | Q   R   I   T   V   H   V   T   R   R   P   V   L   Y   F   H   I   R      171
                                     ■

TGG GGC TTC TCC AAG CAG|GTG GTG GCC ATC GTC CAT GCC GTG CTC CTT GGG TTT GTC     570
 W   G   F   S   K   Q | V   V   A   I   V   H   A   V   L   L   G   F   V      190


ACT GTG TCC TGC TTC TTC TTC ATC CCG GCC GCT GTC TTC TCA GTC CTG|GAG GAT GAC     627
 T   V   S   C   F   F   F   I   P   A   A   V   F   S   V   L | E   D   D      209
```

FIG.1B

```
TGG AAC TTC CTG GAA TCC TTT TAT TTT TGT TTT ATT TCC CTG AGC ACC ATT GGC CTG    684
 W   N   F   L   E   S   F   Y   F   C   F   I   S   L   S   T   I   G   L      228

GGG GAT TAT GTG CCT GGG GAA GGC TAC AAT CAA AAA TTC AGA GAG CTC TAT AAG ATT    741
 G   D   Y   V   P   G   E   G   Y   N   Q   K   F   R   E   L   Y   K   I      247

GGG ATC ACG TGT TAC CTG CTA CTT GGC CTT ATT GCC ATG TTG GTA GTT CTG GAA ACC    798
 G   I   T   C   Y   L   L   L   G   L   I   A   M   L   V   V   L   E   T      266

TTC TGT GAA CTC CAT GAG CTG AAA AAA TTC AGA AAA ATG TTC TAT GTG AAG AAG GAC    855
 F   C   E   L   H   E   L   K   K   F   R   K   M   F   Y   V   K   K   D      285

AAG GAC GAG GAT CAG GTG CAC ATC ATA GAG CAT GAC CAA CTG TCC TTC TCC TCG ATC    912
 K   D   E   D   Q   V   H   I   I   E   H   D   Q   L   S   F   S   S   I      304

ACA GAC CAG GCA GCT GGC ATG AAA GAG GAC CAG AAG CAA AAT GAG CCT TTT GTG GCC    969
 T   D   Q   A   A   G   M   K   E   D   Q   K   Q   N   E   P   F   V   A      323

ACC CAG TCA TCT GCC TGC GTG GAT GGC CCT GCA AAC CAT TGA gcgtaggatttgttgcatt   1030
 T   Q   S   S   A   C   V   D   G   P   A   N   H   *                         337
atgctagagcaccagggtcagggtgcaaggaagaggcttaagtatgttcatttttatcagaatgcaaaagcgaaaa   1106
ttatgtcactttaagaaatagctactgtttgcaatgtcttattaaaaaacaacaaaaaaagacacatggaacaaag   1182
aagctgtgaccccagcaggatgtctaatatgtgaggaaatgagatgtccacctaaaattcatatgtgacaaaatta   1258
tctcgaccttacataggaggagaatacttgaagcagtatgctgctgtggttagaagcagattttatacttttaact   1334
ggaaactttggggtttgcatttagatcatttagctgatggctaaatagcaaaatttatatttagaagcaaaaaaaa   1410
aaagcatagagatgtgtttttataaataggtttatgtgtactggtttgcatgtacccacccaaaatgattatttttg   1486
gagaatctaagtcaaactcactatttataatgcataggtaaccattaactatgtacatataaagtataaatatgtt   1562
tatattctgtacatatggtttaggtcaccagatcctagtgtagttctgaaactaagactatagatattttgtttct   1638
tttgatttctctttatactaaagaatccagagttgctacaataaaataaggggaataataaaaaaaaaaaaaaaa   1712
```

FIG.1B cont.